

## SEQUENCE LISTING

<110> M&E Biotech A/S  
Halkier, Torben  
Jespersen, Lene  
Jensen, Allan

<120> Novel Methods for the Identification of Ligand and  
Target Biomolecules

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<170> PatentIn Ver. 2.1

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<213> Hordeum vulgare

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<223> A is A or C

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<223> C is C or T

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Gly Val Asn Thr Gly Ala Gly Asp Arg His Asn Leu Lys Thr Glu Trp  
10 15 20

cca gag ttg qtg ggg aaa tgg qtg gag gag gcc aag aag qtg att ctg 207  
Pro Glu Leu Val Gly Lys Ser Val Glu Glu Ala Lys Lys Val Ile Leu  
25 30 35 40

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Gln Asp Lys Pro Glu Ala Gln Ile Ile Val Leu Pro Val Gly Thr Ile  
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Leu Asp Asn Ile Ala Gln Val Pro Arg Val Gly  
75 80

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&lt;211&gt; 84

&lt;212&gt; PRT

<213> Hordeum vulgare

&lt;400&gt; 2

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Asp Arg His Asn Leu Lys Thr Glu Trp Pro Glu Leu Val Gly Lys Ser  
20 25 30

Val Glu Glu Ala Lys Lys Val Ile Leu Gln Asp Lys Pro Glu Ala Gln  
35 40 45

Ile Ile Val Leu Pro Val Gly Thr Ile Val Thr Met Glu Tyr Arg Ile  
50 55 60

Asp Arg Val Arg Leu Phe Val Asp Lys Leu Asp Asn Ile Ala Gln Val  
65 70 75 80

Pro Arg Val Gly

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<220>  
<223> Description of Artificial Sequence: Synthetic DNA  
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<212> DNA  
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<223> Description of Artificial Sequence: Synthetic DNA  
primer

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<223> Description of Artificial Sequence: Synthetic DNA  
primer

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21

<210> 6  
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<223> Description of Artificial Sequence: Synthetic DNA  
primer

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<210> 7

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<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 7  
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<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 8  
tggggctgca cgtcatttg

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<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 9  
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<210> 10  
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<223> Description of Artificial Sequence: Synthetic DNA  
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<210> 11  
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<223> Description of Artificial Sequence: Synthetic DNA  
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<210> 12

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<212> DNA

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<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 12

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<210> 13

<211> 28

<212> DNA

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<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 13

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28

<210> 14

<211> 30

<212> DNA

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<223> Description of Artificial Sequence: Synthetic DNA  
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<210> 15

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<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 15

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<212> DNA

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21

<210> 17

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<212> DNA

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<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 17

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<210> 18

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 18

cgggatccat gaagacagag tggccagag

29

<210> 19

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<212> DNA

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&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic DNA  
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&lt;210&gt; 10

&lt;211&gt; 76

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic DNA  
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&lt;400&gt; 20

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28

&lt;210&gt; 31

&lt;211&gt; 31

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic DNA  
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&lt;400&gt; 11

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21

&lt;210&gt; 23

&lt;211&gt; 11

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic DNA  
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&lt;400&gt; 12

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21

&lt;210&gt; 23

&lt;211&gt; 44

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 13

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44

<210> 14

<211> 10

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 14

ccggccttat tccaagcggc

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<210> 25

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA  
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<400> 25

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<210> 26

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 26

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21

<210> 27

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA



primer

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<210> 28  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 28  
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<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 29  
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<210> 30  
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<223> Description of Artificial Sequence: Synthetic DNA  
primer

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<220>  
<223> Description of Artificial Sequence: Synthetic DNA

primer

<400> 31  
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<210> 32  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 32  
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<210> 33  
<211> 83  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
degenerate oligonucleotide

<400> 33  
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ccgcctcttt gtcgacaaac tcg 83

<210> 34  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic DNA  
primer

<400> 34  
cgagtttgtc gacaaagagg cggac 25

<210> 35  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Fragment

11

constituting nuclear localization signal

&lt;400&gt; 35

Met Ala Ala Pro Lys Lys Lys Arg Lys Val Gly Ser

1

5

10

&lt;210&gt; 36

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Fragment

constituting secretion signal

&lt;400&gt; 36

Met Asp Trp Ile Trp Arg Ile Leu Phe Leu Val Gly Ala Ala Thr Gly

1

5

10

15

Ala His Ser Gly Ser

20

&lt;210&gt; 37

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Fragment

constituting retention sequence

&lt;400&gt; 37

Leu Glu Asp Tyr Lys Asp Glu Leu

1

5

&lt;210&gt; 38

&lt;211&gt; 23

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Fragment

constituting random insert

&lt;400&gt; 38

Val Leu Arg Tyr Met Asp Arg Ala Ile Val Met Asn Val Asn Ile Ser

1

5

10

15

Ala Arg Lys Leu Arg Ile Asp  
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<210> 39

<211> 5788

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Hybrid  
circular plasmid

<400> 39

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA  
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<223> Description of Artificial Sequence: Synthetic DNA  
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<210> 42

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic DNA  
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tggcggcgcg gtgttt 76

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<210> 43

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<212> DNA

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&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic DNA  
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&lt;400&gt; 43

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44